

U.S. National Phase of PCT/EP2003/007838

Amendments to the Abstract:

Please replace the abstract that appears on page 22 of the specification with the following revised abstract which is submitted on a separate sheet.

ABSTRACT

The invention relates to a device for the IR-spectrometric analysis of a solid, liquid or gaseous medium. The device includes a process probe [(2)], which has a reflection element [(15)]. The device additionally includes a linear variable filter [(6)], at least one detector element [(8)], and a control/evaluation unit [(10)]. At least one light source [(5)] is also provided, the light of which is coupled into the reflection element [(15)] via a collimating optics [(29)]. At least one optical waveguide [(3)] having a light input section [(11)] and a light output section [(12)] is provided. The light is guided via the light output section [(12)] of the optical waveguide [(3)] into a defined region of the linear variable filter [(7)]. The detector element [(8)] and the linear variable filter [(7)] are arranged movably relative to one another over approximately the length of the linear variable filter [(7)]. The control/evaluation unit [(10)] determines the spectrum of the medium on the basis of the measured values delivered from the detector element [(8)].

[(Fig. 1)]